

ECAT Mathematics Online Test

Sr	Questions	Answers Choice
1	The points (x, y) which satisfy a linear inequality in two variables x and y from its	A. domain B. range C. solution D. none of these
2	1 radian = _____	A. 180° B. 90° C. 57.296° D. 60°
3	150° = _____	
4	x = _____ is in the solution of $2x - 5 > 0$	A. 0 B. 2 C. -2 D. 3
5	x = _____ is in the solution of $2x - 3 < 0$	A. 2 B. -2 C. 3 D. 4
6	x = _____ is in the solution of $2x + 3 \geq 0$	A. 1 B. -2 C. -3 D. -4
7	22.5° = _____	
8	Question Image <input type="text"/>	A. 30° B. 45° C. 60° D. 120°
9	120° = _____	
10	60° = _____	
11	45° = _____	
12	30° = _____	
13	x = _____ is in the solution of $2x + 3 < 0$	A. 0 B. 2 C. -1 D. -2
14	x = -1 is in the solution of the inequality	A. $x + 5 \leq 0$ B. $2x + 3 < 0$ C. $x \geq 0$ D. $2x + 3 \geq 0$
15	A right angle is the angle of measure	A. 90' B. 60° C. 60" D. 90°
16	x = 1 is in the solution of the inequality	A. $x + 1 \geq 0$ B. $x - 2 \geq 0$ C. $3x - 1 \leq 0$ D. $x + 2 \leq 0$
17	The 60th part of one minute is called	A. Degree B. Second C. Radian D. None of these
18	Three right angles is the angle of measure	A. 270° B. 180° C. 90° D. 270'
19	The measure of the angle subtended at the centre of the circle by an arc, whose length is equal to the radius of the circle is	A. 1° B. 1' C. 1"

	equal to the radius of the circle is	<p>C. 1</p> <p>D. 1 rad</p>
20	If the circumference of a circle is divided into 360 congruent parts, the angle subtended by one part at the centre of the circle is	<p>A. 1°</p> <p>B. $1'$</p> <p>C. $1''$</p> <p>D. 1 rad</p>
21	Question Image	<p>A. 360°</p> <p>B. 180°</p> <p>C. 90°</p> <p>D. None of these</p>
22	$1^{\circ} =$ _____	<p>A. 1.5 rad</p> <p>B. 0.5 rad</p> <p>C. 0.175 rad</p> <p>D. None of these</p>
23	$1^{\circ} =$ _____	
24	$x = 0$ is in the solution of the inequality	<p>A. $x > 0$</p> <p>B. $3x + 4 \leq 0$</p> <p>C. $x + 3 \leq 0$</p> <p>D. $x - 2 \leq 0$</p>
25	The real numbers which satisfy an inequality form its	<p>A. solution</p> <p>B. coefficient</p> <p>C. domain</p> <p>D. range</p>
26	$1^{\circ} =$ _____	<p>A. $360'$</p> <p>B. $60''$</p> <p>C. $60'$</p> <p>D. $3600'$</p>
27	$ax + by < c$ is linear inequality in	<p>A. four variables</p> <p>B. three variables</p> <p>C. two variables</p> <p>D. one variable</p>
28	One second is denoted by	<p>A. 1°</p> <p>B. $1'$</p> <p>C. $1''$</p> <p>D. 1 rad</p>
29	One minute is denoted by	<p>A. 1°</p> <p>B. $1'$</p> <p>C. $1''$</p> <p>D. None of these</p>
30	$2x + 3y > 4$ is a linear inequality in	<p>A. one variable</p> <p>B. two variables</p> <p>C. three variables</p> <p>D. none of these</p>